

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
29 January 2004 (29.01.2004)

PCT

(10) International Publication Number  
WO 2004/010156 A1

(51) International Patent Classification<sup>7</sup>: G01R 31/28, 1/04

Jean-Michel [FR/FR]; La Raillière, F-35140 St. Jean sur  
Cousnon (FR).

(21) International Application Number:  
PCT/EP2003/007209

(74) Agent: ARNOLD, Klaus-Peter; European Patent Opera-  
tions, Karl-Wiechert-Allee 74, 30625 Hannover (DE).

(22) International Filing Date: 5 July 2003 (05.07.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data: 02291832.0 19 July 2002 (19.07.2002) EP

(71) Applicant (for all designated States except US): THOM-  
SON LICENSING S.A. [FR/FR]; 46 Quai A. le Gallo,  
F-92100 Boulogne-Billancourt (FR).

(81) Designated States (national): AE, AG, AL, AM, AT, AU,  
AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU,  
CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,  
GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,  
LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW,  
MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD,  
SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US,  
UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (regional): ARIPO patent (GH, GM,  
KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),  
Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),  
European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE,  
ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO,  
SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM,  
GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

(72) Inventors; and

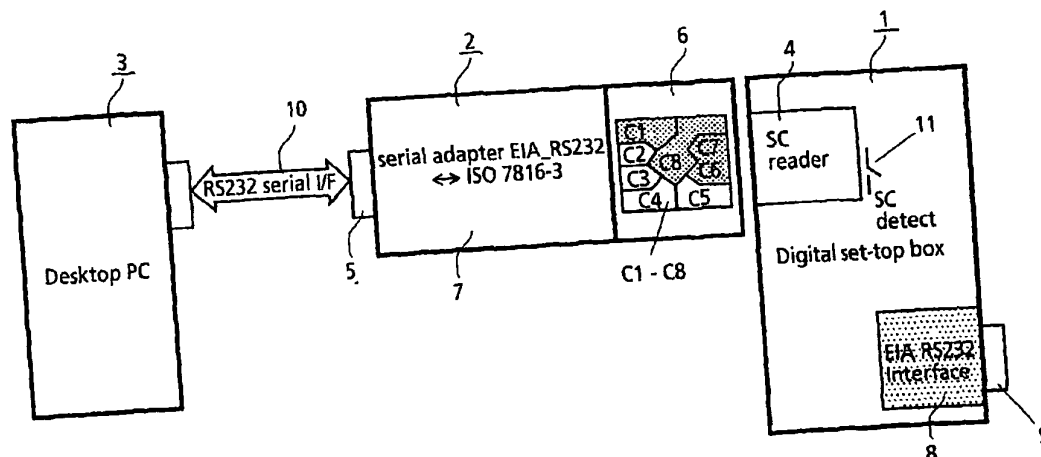
(75) Inventors/Applicants (for US only): SCHAHN, Chris-  
tian [FR/FR]; 23 rue des Trois Pignons, F-35250 St.  
Sulpice la Forêt (FR). BERTIN, Jean-Pierre [FR/FR];  
31bis Boulevard de Courcelles, F-44290 Guemene-Penfao  
(FR). RAMBAULT, Claude [FR/FR]; 19 rue Raoul de la  
Futaye, F-35250 St. Sulpice la Forêt (FR). BOULBEN,

Published:

— with international search report

[Continued on next page]

(54) Title: METHOD AND TEST ADAPTER FOR TESTING AN APPLIANCE HAVING A SMART CARD READER



(57) Abstract: For testing of the appliance (1), a test adapter (2) is used as an interface, which is inserted into the smart card reader (4) of the appliance. Advantageously, a contact (C6) of the smart card reader is used for testing of the appliance, which is not used by the appliance, when operating with a smart card. One of the contacts used for testing of the appliance is in particularly the contact for the programming voltage VPP according to the ISO/IEC 7816-3:1997(E) standard. In a preferred embodiment, the test adapter (2) comprises a serial adapter interface (5) to a RS232 plug, which is coupled to a computer (3) for testing of the appliance (1). This allows to use the XON/XOFF protocol via two data lines for testing of the appliance (1). The electronics part of the test adapter (2) is powered via the smart card reader interface, when the test adapter is inserted into the smart card reader (4) of the appliance. The appliance (1) is especially a set-top box or a digital satellite receiver.

WO 2004/010156 A1